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PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

Only for new non-provisional applications under 37 C.F.R. § 1.53(B)

Attorney Docket No. M102.12-0005

First Inventor or Application Identifier Fuk Ho Pius Ng et al.

Title SHIFT AND RECODE MULTIPLIER

Express Mail Label No. EV178023470US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

Address To:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ *Fee Transmittal Form e.g., PTO/SB17)
(Submit an original and a duplicate for fee processing)

2. ☒ Applicant Claims small entity status

3. ☒ Specification [Total Sheets 37]

(preferred arrangement set forth below

- Descriptive title of the Invention)

- Cross References to Related Applications

- Statement Regarding Fed sponsored R & D

- Reference to Microfiche Appendix

- Background of the Invention

- Brief Summary of the Invention

- Brief Description of the Drawings (if filed)

- Detailed Description

- Claim(s)

- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. § 113) [Total Sheets 10]

5. Oath or Declaration [Total Sheets 3]

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 18 completed)

i. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)

a. ☐ Computer Readable Copy

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 Copies); or

ii. ☐ Paper

c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of
(when there is an assignee) Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO – 1449 Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☐ Nonpublication Request Under 35 USC 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent

17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an
Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation –in part (CIP)

of prior application No: /

Prior application information:

Examiner

Group/Art Unit:

FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

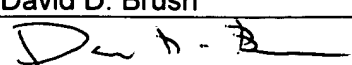
17. CORRESPONDENCE

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Signature		Date	4/12/04

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1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. <u>23-1123</u> . Westman, Champlin & Kelly, P.A. 2. <input checked="" type="checkbox"/> PTO-2038 Enclosed		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee</th> <th style="text-align: left;">Small Entity Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> <tr> <th style="text-align: left;">Code (\$)</th> <th style="text-align: left;">Code (\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - Late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td>Surcharge - Late provisional Filing Fee or cover sheet</td> <td></td> </tr> <tr> <td>1053 130</td> <td>1053 130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td>For Filing a Request for Reexamination. (ex parte)</td> <td></td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 420</td> <td>2252 210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 950</td> <td>2253 475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254 1,480</td> <td>2254 740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 2,010</td> <td>2255 1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1402 330</td> <td>2402 165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 290</td> <td>2403 145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1814 110</td> <td>2814 55</td> <td>Terminal Disclaimer Fee</td> <td></td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td>Petition to Revive - unavoidable</td> <td></td> </tr> <tr> <td>1453 1,330</td> <td>2453 665</td> <td>Petition to Revive - unintentional</td> <td></td> </tr> <tr> <td>1501 1,330</td> <td>2501 665</td> <td>Utility/Reissue issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1502 480</td> <td>2502 240</td> <td>Design issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1460 130</td> <td>1460 130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>1806 180</td> <td>1806 180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>8021 40</td> <td>8021 40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	Code (\$)	Code (\$)			1051 130	2051 65	Surcharge - Late filing fee or oath		1052 50	2052 25	Surcharge - Late provisional Filing Fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For Filing a Request for Reexamination. (ex parte)		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1814 110	2814 55	Terminal Disclaimer Fee		1452 110	2452 55	Petition to Revive - unavoidable		1453 1,330	2453 665	Petition to Revive - unintentional		1501 1,330	2501 665	Utility/Reissue issue fee (inc. advance copies)		1502 480	2502 240	Design issue fee (inc. advance copies)		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Petitions related to provisional applications		1806 180	1806 180	Submission of Information Disclosure Statement		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		Other Fee (specify) _____			
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Signature David D. Brush
(David D. Brush)

Reg. No. 34,557

Date April 12, 2004

Deposit Account No. 23-1123